



## Contents of Volume 65 (2003)

### Volume 65 No. 1 July 2003

- YURI KONDRATIEV and YURI KOZITSKY / Quantum Stabilization and Decay of Correlations in Anharmonic Crystals 1–14
- R. MARTINI and L. K. HOEVENAARS / Trigonometric Solutions of the WDVV Equations from Root Systems 15–18
- P. EXNER and K. YOSHITOMI / Eigenvalue Asymptotics for the Schrödinger Operator with a  $\delta$ -Interaction on a Punctured Surface 19–26
- SERGIO ALBEVERIO and LEONID NIZHNIK / On the Number of Negative Eigenvalues of a One-Dimensional Schrödinger Operator with Point Interactions 27–35
- JONGMIN HAN / Topological Solutions in the Self-dual Chern–Simons–Higgs Theory in a Background Metric 37–47
- O. OGIEVETSKY and A. VAHLAS / The Relation Between Two Types of Characteristic Equations for Quantum Matrices 49–57
- MIROSLAV ENGLIŠ / Berezin–Toeplitz Quantization and Invariant Symbolic Calculi 59–74
- FRANCOIS BENTOSELA, PIERRE DUCLOS and PAVEL EXNER / Absolute Continuity in Periodic Thin Tubes and Strongly Coupled Leaky Wires 75–82

### Volume 65 No. 2 August 2003

- LUC VINET and ALEXEI ZHEDANOV / Two-Dimensional Krall–Sheffer Polynomials and Quantum Systems on Spaces with Constant Curvature 83–94
- PLAMEN DJAKOV and BORIS MITYAGIN / The Asymptotics of Spectral Gaps of a 1D Dirac Operator with Cosine Potential 95–108
- YU-TUNG CHEN and MING-HSIEN TU / On the Dispersionless Dym Hierarchy: Dressing Formulation and Twistor Construction 109–124

S. V. SHADRIN / Intersections in Genus 3 and the Boussinesq Hierarchy	125-131
ALEXANDER V. KARABEGOV / On the Dequantization of Fedosov's Deformation Quantization	133-146
VICTOR GAYRAL / The Action Functional for Moyal Planes	147-157

### Volume 65 No. 3 September 2003

M. MNATSAKANOVA, G. MORCHIO, F. STROCCHI and YU. VERNOV / Representations of CCR Algebras in Krein Spaces of Entire Functions	159-172
V. TARASOV and A. VARCHENKO / Selberg-Type Integrals Associated with $\mathfrak{sl}_3$	173-185
L. A. DICKY / On a Generalization of the Trèves Criterion for the First Integrals of the KdV Hierarchy to Higher GD Hierarchies	187-197
A. BOUTET DE MONVEL, A. S. FOKAS and D. SHEPELSKY / Analysis of the Global Relation for the Nonlinear Schrödinger Equation on the Half-line	199-212
INÊS CRUZ and TIAGO FARDILHA / Linearity of the Transverse Poisson Structure to a Coadjoint Orbit	213-227
O. BABELON / Equations in Dual Variables for Whittaker Functions	229-240

